

Claims

Claim 12. (Currently Amended) A method of adjusting a fiber pigtailed assembly for coupling light along an optical axis from a beveled end of an optical fiber to an optical detector having a detector surface tilted with respect to the beveled end to produce with low back reflectance and minimum polarization-dependent responsivity comprising the steps of:

providing a source of light having a plurality of polarization states to the optical fiber;

adjusting a rotation angle about the optical axis between ~~a~~ the beveled end of the optical fiber and ~~a~~ the detector surface of the optical detector adjacent the beveled end, ~~the detector surface being tilted with respect to the beveled end,~~ while observing an electrical output from the optical detector for a minimum peak-to-peak value.

Claim 13. (Original) The method as recited in claim 12 further comprising the steps of:

adjusting a tilt angle between the detector surface and the beveled end while observing the electrical output from the optical detector for the minimum peak-to-peak value; and

iterating the rotation and tilt angle adjusting steps as necessary to obtain the lowest minimum peak-to-peak value for the electrical output.